

**Claims**

1-13 Canceled

14. (New) A valve drive for a gas exchange valve in an engine comprising:
- a magnetic rotor;
- a rotor section positioned at a distance from the gas exchange valve, extends in a longitudinally movable manner inside a bushing of a stator provided with a current coil, the stator has a tooth area forming a magnetic frame, and one end of the rotor projects out from the stator in a direction of the gas exchange valve, and upon the excitation of the current coil, the rotor activates the gas exchange valve, wherein the rotor (12) is located in an area of the rotor section and constructed in the stator (1) as a vertically moved rotor plate (11) in which several magnetic parts (21) are oriented, in one or more planes.
15. (New) The device according to claim 14, wherein the vertically moved rotor plate is a flat-body slide valve.
16. (New) The device according to claim 14, wherein the several magnetic parts (21) are oriented in several planes.
17. (New) The device according to claim 14, wherein a base area of the stator (1) is oriented towards the gas exchange valve (4), at least one bushing (8) is adjusted to the cross-sectional contour of the rotor plate (11), and through the bushing at least one rotor bar (14) connects the rotor plate (11) with a coupling element (17).
18. (New) The device according to claim 17, wherein the base area of the stator (1) is designed as a rectangular, level first stator plate (9a), which has the bushing (8) for the rotor bar (14) on a center of its longitudinal axis.

19. (New) The device according to claim 18, wherein on both sides of the bushing (8), at least one pair of current coils (18) is positioned on a first stator plate (9a), and at least one pair of current coils a second level stator plate (9b) is applied, the second level stator plate has at least one second bushing (8) that is equivalent to the first bushing (8) and aligned therewith, and having a tooth area (20) positioned on both sides of the second stator plate (9b).
20. (New) The device according to claim 19, wherein above a side of the second stator plate (9b) oriented away from the current coils (18), a third stator plate (9c) is positioned, which is separated from the second stator plate (9b) by at least one pair of spacers (10).
21. (New) The device according to claim 20, wherein a bushing having a tooth area (20) is provided in the third stator plate (9c), and the bushing is oriented to align with the first and the second bushings.
22. (New) The device according to claim 20, wherein at least one pair of current coils (18) is placed on the third stator plate (9c), and on the pair of coils an end plate (9d) forming the second end area of the stator (1) is placed.
23. (New) The device according to claim 17, wherein in the area of the bushing (8), at least one pair of guide elements (13a, 13b) is positioned in one of the stator plates (9a-9c), and the pair of guide elements fit closely on both sides of the rotor plate (11) and orient the rotor (12) into the bushings (8) in a clamping-free manner.
24. (New) The device according to claim 23, wherein the guide elements (13a, 13b) are inserted into grooves (5) of the stator plate (9a, 9b, 9c). or into grooves of the rotor plate (11).

25. (New) The device according to claim 23, wherein the guide elements (13a, 13b) are inserted into grooves (5) into grooves of the rotor plate (11).
26. (New) The device according to claim 14, wherein the current coil is penetrated by a rod-shaped magnetic core (15) which, for the closing of the magnetic circuit with its ends, contacts the stator plates corresponding to the current coil.
27. (New) The device according to claim 14, wherein two or more magnetic parts (21) are positioned in several series of magnets (X1, X2) in the rotor plate (11) positioned in parallel one above the other, whereby the series of magnets (X1, X2) are inclined opposite to the horizontal orientation of the tooth area (20).
28. (New) The device according to claim 14, wherein several magnetic parts (21) in the rotor plate (11) are accommodated in several series of magnets (X1, X2) positioned in parallel, one above the other, whereby the series of magnets (X1, X2) are oriented horizontally in the rotor plate (11), while at least one pair of stator plates (9b, 9c) provided with tooth areas (20) is inclined opposite the series of magnets (X1, X2).
29. (New) The device according to claim 14, wherein the rotor plate (11) has an oblong slot (6) between two rotor bars (14), the oblong slot accommodates a first stator plate (9a) corresponding to the stator (1), adjusted to the length and the thickness of the stator plate (9a) in a manner corresponding to clearance.
30. (New) The device according to claim 29, wherein the clearance existing between the thickness of the stator plate (9a) and the oblong slot (6) is at least as great as the work stroke of the rotor (12).